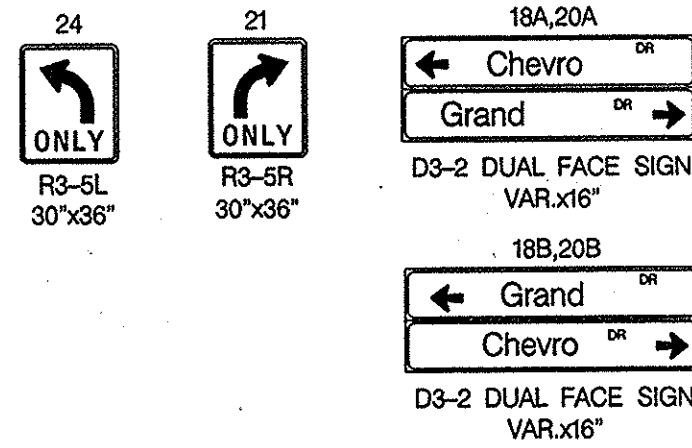
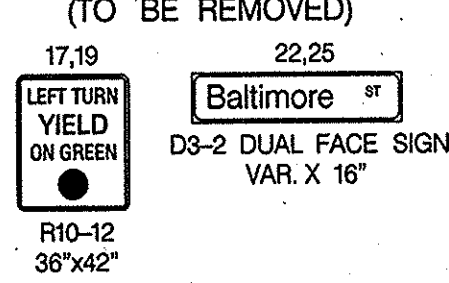


# EXISTING SIGNS



# EXISTING SIGNS (TO BE REMOVED)

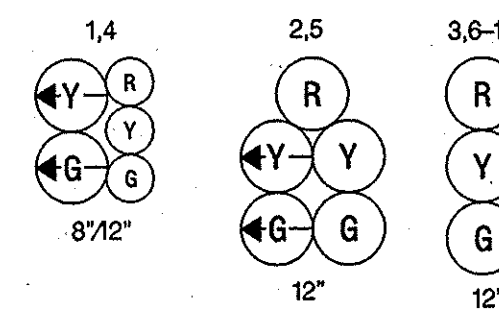


# EXISTING SIGNS (TO BE RELOCATED)



# PROPOSED L. E. D. SIGNALS

(INSTALL IN EXISTING LOCATION)



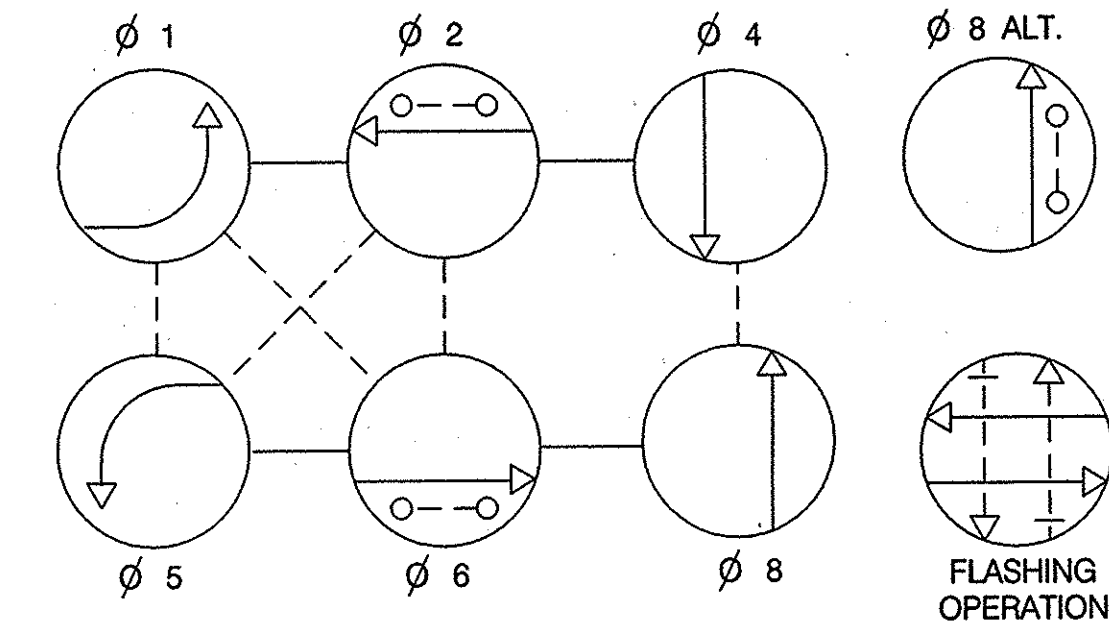
# PROPOSED SIGNALS



# PROPOSED VIDEO DETECTION CAMERAS

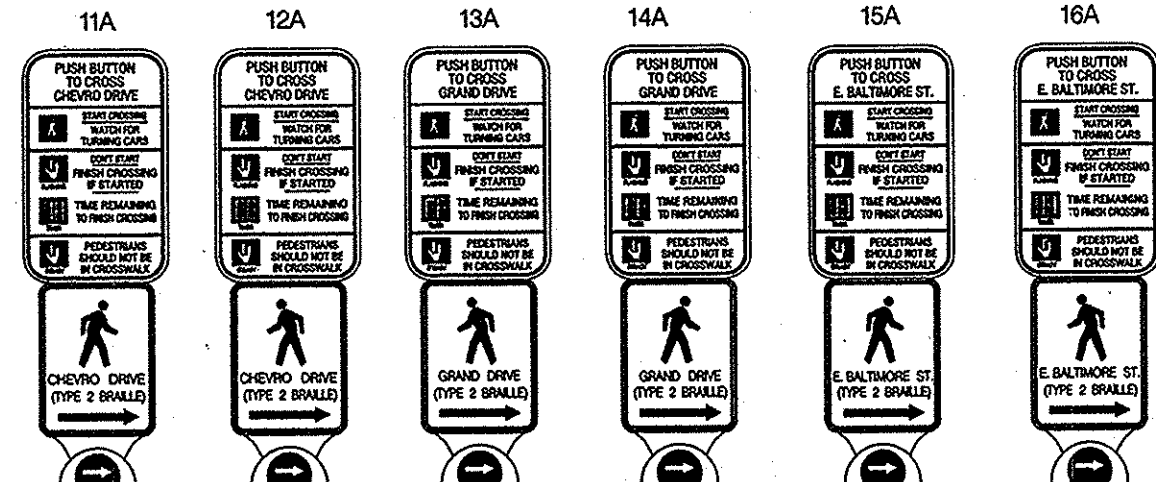
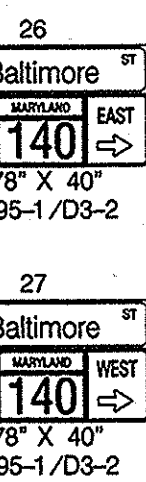
A-E

# NEMA PHASING

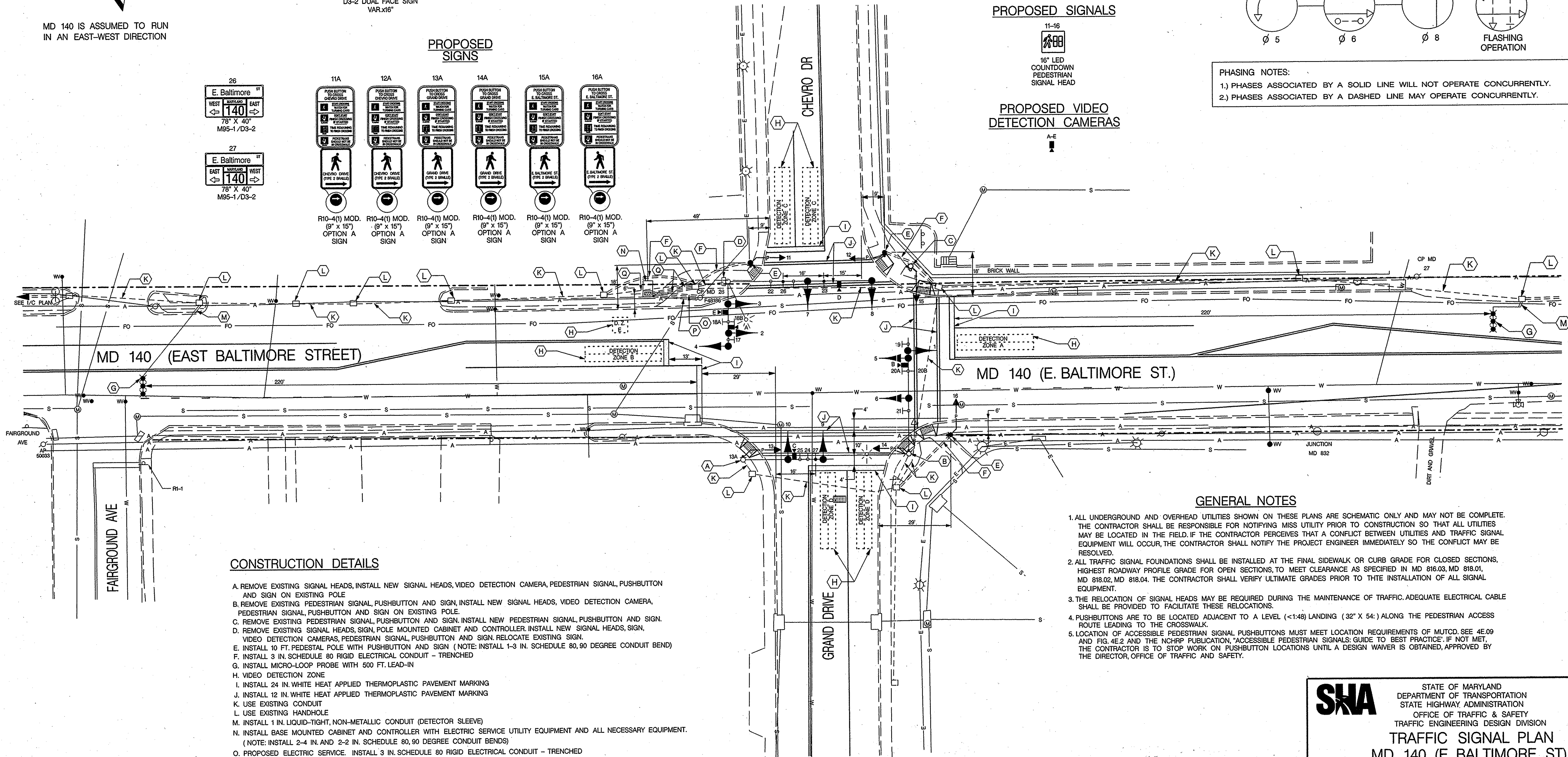


# PHASING NOTES:

- 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.



R10-4(1) MOD. (9' x 15") OPTION A SIGN  
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# CONSTRUCTION DETAILS

- REMOVE EXISTING SIGNAL HEADS, INSTALL NEW SIGNAL HEADS, VIDEO DETECTION CAMERA, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN ON EXISTING POLE.
- REMOVE EXISTING PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, INSTALL NEW SIGNAL HEADS, VIDEO DETECTION CAMERA, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN ON EXISTING POLE.
- REMOVE EXISTING PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN, INSTALL NEW PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN.
- REMOVE EXISTING SIGNAL HEADS, SIGN, POLE MOUNTED CABINET AND CONTROLLER. INSTALL NEW SIGNAL HEADS, SIGN, VIDEO DETECTION CAMERAS, PEDESTRIAN SIGNAL, PUSHBUTTON AND SIGN. RELOCATE EXISTING SIGN.
- INSTALL 10 FT. PEDESTAL POLE WITH PUSHBUTTON AND SIGN (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
- VIDEO DETECTION ZONE
- INSTALL 24 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- INSTALL 12 IN. WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
- USE EXISTING CONDUIT
- USE EXISTING HANDHOLE
- INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT (DETECTOR SLEEVE)
- INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ELECTRIC SERVICE UTILITY EQUIPMENT AND ALL NECESSARY EQUIPMENT. (NOTE: INSTALL 2-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- PROPOSED ELECTRIC SERVICE. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- PROPOSED TELEPHONE SERVICE. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- CAP AND ABANDON EXISTING UNUSED CONDUIT.

# GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE RELOCATION OF SIGNAL HEADS MAY BE REQUIRED DURING THE MAINTENANCE OF TRAFFIC. ADEQUATE ELECTRICAL CABLE SHALL BE PROVIDED TO FACILITATE THESE RELOCATIONS.
- PUSHBUTTONS ARE TO BE LOCATED ADJACENT TO A LEVEL (<1:48) LANDING (32" X 54") ALONG THE PEDESTRIAN ACCESS ROUTE LEADING TO THE CROSSWALK.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD, SEE 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.

# LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

**TRAFFIC CONCEPTS, INC.**  
325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101  
FAX (410) 923-6473  
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION ENGINEER	
OFFICE DIRECTOR	

REVISIONS
11-3-08 REPLACE CONTROLLER, DETECTION AND ADD PEDESTRIAN PHASES SHA NO. CL6955185
4-6-08 AS BUILT SHA NO. BW138M83
F J H

<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION			
<b>TRAFFIC SIGNAL PLAN</b> <b>MD 140 (E. BALTIMORE ST)</b> <b>AND CHEVRO DRIVE/GRAND DRIVE</b> <b>TANEYTOWN, MARYLAND</b>			
SCALE 1" = 20'	DATE JUNE 9, 1994	CONTRACT NO. CL6955185	
DESIGNED BY B.L.J.	COUNTY CARROLL		
DRAWN BY B.L.J.	LOGMILE 06014020.36		
CHECKED BY R.D.	T.I.M.S. NO. H 545		
F.A.P. NO. NA	TOD NO.		
DRAWING NO. 3440B	SHEET NO. OF		